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Application Number 10/726,734

Filing Date December 3, 2003

TRAS J

Application Number 10/726,734

Filing Date December 3, 2003

First Named Inventor Rudolf et al.

Art Unit 2681

Examiner Name Not Yet Known

Total Number of Pages in This Submission

Application Number 10/726,734

Filing Date December 3, 2003

First Named Inventor Rudolf et al.

Art Unit 12681

Examiner Name Not Yet Known

I-2-0444.1US

		ENCLOSUBES (a)							
ENCLOSURES (Check all that apply)									
	Fee Transmittal Form  Fee Attached	Drawing(s)  Licensing-related Papers	After Allowance Communication to TC  Appeal Communication to Board of Appeals and Interferences						
	Amendment/Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Reply to Missing Parts/	Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Addre Terminal Disclaimer Request for Refund CD, Number of CD(s) Landscape Table on CD Remarks	Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  Proprietary Information						
	Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53								
	SIGNA	TURE OF APPLICANT, ATTORNI	Y, OR AGENT						
Firm N	VOLPE AND KOEN	G, P.C.							
Signat	- Att Da								
	Steven J. Gelman								
Date	December 7, 2004	Reg.	<sup>No.</sup> 41,034						

# CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: Signature Typed or printed name Steven J. Gelman Date December 7, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# É UNITED STATES PATENT AND TRADEMARK OFFICE

Our File: I-2-0444.1US

Date: December 7, 2004

# In the **PATENT APPLICATION** of:

Rudolf et al.

**Application No.:** 10/726,374

Confirmation No.: 7140

Filed:

December 3, 2003

For: RELIABILITY DETECTION OF CHANNEL QUALITY INDICATOR (CQI) AND APPLICATION TO OUTER LOOP

POWER CONTROL

Group:

2681

Examiner:

Not Yet Known

# COMMUNICATION RE FAVORABLE IPER BY IPEA/US IN CORRESPONDING INTERNATIONAL APPLICATION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

This communication is to advise the Examiner of the favorable International Preliminary Examination Report (IPER) issued by the United States Patent and Trademark Office acting as International Preliminary Examination Authority in a corresponding international application. A copy of the IPER is enclosed.

The original PCT claims correspond to the claims in this U.S. application. A copy of the approved claims as published is also enclosed.

Applicant: Rudolf et al. Application No.: 10/726,374

In view of the fact that PCT claims 1-36 have all been found to meet the international standards of patentability, prompt examination and allowance are respectfully requested.

Respectfully submitted,

Rudolf et al.

Steven J. Gelman

Registration No. 41,034

(215) 568-6400

Volpe and Koenig, P.C. United Plaza, Suite 1600 30 South 17th Street Philadelphia, PA 19103

SJG/slp Enclosures (2)

## PATENT COOPERATION TREATY

NOV 08 2004

From the

INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

STEVEN J. GELMAN VOLPE AND KOENIG, P.C. **UNITED PLAZA, SUITE 1600 30 SOUTH 17TH STREET** PHILADELPHIA, PA 19103

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Rule 71.1)

Date of Mailing (day/month/year)

05 NOV 2004

Applicant's or agent's file reference

I-2-0444.1WO

IMPORTANT NOTIFICATION

International application No.

International filing date (day/month/year)

Priority date (day/month/year)

PCT/US03/38243

Applicant

02 December 2003 (02.12.2003)

04 December 2002 (04.12.2002)

INTERDIGITAL TECHNOLOGY CORPORATION

- The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

#### REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/US

Mail Stop PCT, Attn: IPEA/US Commissioner for Patents P.O. Box 1450

Alexandria, Virginia 22313-1450

Authorized officer

Raj Jain / Wylerio Zolari Telephone No. 571-272-3145

Facsimile No. (703) 305-3230 Form PCT/IPEA/416 (July 1992)

# PATENT COOPERATION TREATY

# **PCT**

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference		
I-2-0444.1WO	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No.	International filing date (day/mor	nth/year) Priority date (day/month/year)
PCT/US03/38243	02 December 2003 (02.12.2003)	04 December 2002 (04.12.2002)
International Patent Classification (IPC)	or national classification and IPC	3. 200mios 2002 (04.12.2002)
IPC(7): H04L 23/02 and US Cl.: 375/26	52, 265, 325, 370/310.	
Applicant		
INTERDIGITAL TECHNOLOGY COR	PORATION	
This international prelimin Examining Authority and	nary examination report has bee is transmitted to the applicant a	en prepared by this International Preliminary according to Article 36.
2. This REPORT consists of	a total of 3 sheets, including th	is cover sheet.
which have been ame	ended and are the basis for this	, sheets of the description, claims and/or drawings report and/or sheets containing rectifications made of the Administrative Instructions under the PCT).
These annexes consist of a	total of sheets.	
3. This report contains indica	tions relating to the following i	items:
I Basis of the repo	ort	
II Priority		
III Non-establishme	ent of report with regard to nov	elty, inventive step and industrial applicability
IV Lack of unity of		,, and the man apparentially
		gard to novelty, inventive step or industrial
applicability; cita	ations and explanations support	ting such statement
VI Certain documen	nts cited	<u>.</u>
VII Certain defects in	n the international application	
	ions on the international applica	ation
Date of submission of the demand	Date	of completion of this report
22 June 2004 (22.06.2004)		tober 2004 (20.10.2004)
Name and mailing address of the IPEA/U	S	
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents	Author	rized officer / Land in Kanar
P.O. Box 1450 Alexandria, Virginia 223 13-1450	Raj Ja	in Mysma July
Facsimile No. (703) 305-3230	Teleph	rized officer  Johan  John No. 571-272-3145
Form PCT/IPEA/409 (cover sheet)(July 19	00)	

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.	
PCT/US03/38243	

I.	Basi	is of the report
1.	With	regard to the elements of the international application:*
	$\boxtimes$	the international application as originally filed.
	$\boxtimes$	the description:
		pages 1-13 as originally filed
		pages NONE , filed with the demand
	<b>~</b>	pages NONE, filed with the letter of
	M	the claims:
		pages 14-19 as originally filed
		pages NONE, as amended (together with any statement) under Article 19 pages NONE, filed with the demand
		pages NONE , filed with the letter of
	$\boxtimes$	the drawings:
	<u>~</u>	pages 1-5, as originally filed
		pages NONE, filed with the demand
		pages NONE, filed with the letter of
		the sequence listing part of the description:
		pages NONE, as originally filed
		pages NONE , filed with the demand
2	With	pages NONE, filed with the letter of
۷.	langi	regard to the language, all the elements marked above were available or furnished to this Authority in the large in which the international application was filed, unless otherwise indicated under this item.
	Thes	e elements were available or furnished to this Authority in the following language which is:
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
	$\sqcap$	the language of publication of the international application (under Rule 48.3(b)).
	Ħ	the language of the translation furnished for the purposes of international preliminary examination (under Rules
		55.2 and/or 55.3).
3.	With	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the
	inten	national preliminary examination was carried out on the basis of the sequence listing:
		contained in the international application in printed form.
	Ц	filed together with the international application in computer readable form.
	Ц	furnished subsequently to this Authority in written form.
	Ц	furnished subsequently to this Authority in computer readable form.
		The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the
	_	international application as filed has been furnished.
		The statement that the information recorded in computer readable form is identical to the written sequence listing
		has been furnished.
4.	$\boxtimes$	The amendments have resulted in the cancellation of:
		the description, pages none
		the claims, Nos. none
		the drawings, sheets/fig none
5.		
3.	Ш	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
* F	Replac	ement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in
ı/us	repor	t as originally filed and are not annexed to this report since they do not contain amendments (Rules 70 16 and 70 17)
•	<b>2.</b> ,	eplacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

Form PCT/IPEA/409 (Box I) (July 1998)

### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US03/38243

Novelty (N)  Claims  Claims  None  Inventive Step (IS)  Claims  Claims  Claims  None  Industrial Applicability (IA)  Claims  Claims  NONE  CITATIONS AND EXPLANATIONS  Instituted in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a munications system for providing for receiving and decoding of Channel Quality Indicator (CQI) messages as well as atting a decision metric for each symbol in the CQI message.  NEW CITATIONS  NEW CITATIONS  NEW CITATIONS  NEW CITATIONS  NEW CITATIONS  NEW CITATIONS  NEW CITATIONS	STATEMENT			
Inventive Step (IS)  Claims 1-36  Claims None  NO  Industrial Applicability (IA)  Claims 1-36  Claims None  NO  Claims None  NO  Claims None  NO  Claims 1-36  Claims None  NO  CITATIONS AND EXPLANATIONS  ims 1-36 meets the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a amunications system for providing for receiving and decoding of Channel Quality Indicator (CQI) messages as well as ating a decision metric for each symbol in the CQI message.  NEW CITATIONS	Novelty (N)	Claims	1-36	YI
Industrial Applicability (IA)  Claims  Claims  Claims  Claims  Claims  NONE  NO  CITATIONS AND EXPLANATIONS  ims 1-36 meets the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a amunications system for providing for receiving and decoding of Channel Quality Indicator (CQI) messages as well as ating a decision metric for each symbol in the CQI message.  NEW CITATIONS				
Industrial Applicability (IA)  Claims  Claims  Claims  Claims  Claims  NONE  NO  CITATIONS AND EXPLANATIONS  ims 1-36 meets the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a amunications system for providing for receiving and decoding of Channel Quality Indicator (CQI) messages as well as ating a decision metric for each symbol in the CQI message.  NEW CITATIONS	Instanting Char (IS)	<b>CI</b> :		
Industrial Applicability (IA)  Claims  Claims  NONE  CITATIONS AND EXPLANATIONS  ims 1-36 meets the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a munications system for providing for receiving and decoding of Channel Quality Indicator (CQI) messages as well as ating a decision metric for each symbol in the CQI message.  NEW CITATIONS	nivenuve Step (15)			
CITATIONS AND EXPLANATIONS  ims 1-36 meets the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a immunications system for providing for receiving and decoding of Channel Quality Indicator (CQI) messages as well as ating a decision metric for each symbol in the CQI message.  NEW CITATIONS		Citatio	TOIL	140
CITATIONS AND EXPLANATIONS ims 1-36 meets the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a amunications system for providing for receiving and decoding of Channel Quality Indicator (CQI) messages as well as ating a decision metric for each symbol in the CQI message.	Industrial Applicability (IA)	Claims	1-36	YF
ims 1-36 meets the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a munications system for providing for receiving and decoding of Channel Quality Indicator (CQI) messages as well as ating a decision metric for each symbol in the CQI message		Claims	NONE	NC
	·			

Form PCT/IPEA/409 (Box V) (July 1998)